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Canada. Hydrographic and Map Service

Water levels bulletin for the Great Lakes
and St. Lawrence River

- 1958 -

MONTHLY BULLETIN

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MARCH WATER LEVELS

The Canadian Hydrographic Service, Department of Mines and Technical Surveys, reports the mean stages of the Great Lakes, and the St. Lawrence River for MARCH 1958, as computed by HOURLY READINGS FROM SELF-REGISTERING GAUGE RECORDS. The reference for the Great Lakes is the U.S. Lake Survey datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

		ABOVE MEAN SEA LEVEL	
LAKE SUPERIOR	at PORT ARTHUR	601.37	Feet
LAKE HURON	at GODERICH	578.98	Feet
LAKE ERIE	at PORT COLBORNE	571.08	Feet
LAKE ONTARIO	at KINGSTON	244.76	Feet
ST. LAWRENCE RIVER	at MONTREAL HARBOUR	28.74	Feet

LAKE SUPERIOR.- at PORT ARTHUR

monthly mean 601.37 feet above Mean Sea Level, as referred to Canadian Hydrographic Service B.M. "Steel Rivet" elevation 616.154 feet, or

0.12 foot lower than FEBRUARY 1958
 0.17 foot higher than MARCH 1957
 1.21 feet lower than the highest March (1951) since 1860
 1.31 feet higher than the lowest March (1926) since 1860
 0.33 foot lower than the average stage of March for the last 10 years
 0.34 foot lower than the average stage of March for the last 98 years
 During the last 10 years the March level has averaged 0.14 foot lower than the February level, and 0.12 foot lower than the April level.
 During the last 98 years the March level has averaged 0.10 foot lower than the February level, and 0.07 foot lower than the April level.

MAX. READING	601.60	7th	7.50 a.m.	MAX. DAILY MEAN	601.48	5th
MIN. READING	601.19	9th	7.18 p.m.	MIN. DAILY MEAN	601.31	21st & 30th
RANGE	0.41	FOOT		RANGE	0.17	FOOT

LAKE HURON.- at GODERICH

monthly mean 578.98 feet above Mean Sea Level, as referred to Canadian Hydrographic Service B.M. "Steel Rivet" elevation 588.579 feet, or

0.18 foot lower than FEBRUARY 1958
 0.06 foot lower than MARCH 1957
 3.95 feet lower than the highest March (1886) since 1860
 1.53 feet higher than the lowest March (1934) since 1860
 1.09 feet lower than the average stage of March for the last 10 years
 1.22 feet lower than the average stage of March for the last 98 years.
 During the last 10 years the March level has averaged 0.04 foot higher than the February level, and 0.26 foot lower than the April level.
 During the last 98 years the March level has averaged 0.07 foot higher than the February level, and 0.22 foot lower than the April level.

MAX. READING	579.30	7th	7.50 a.m.	MAX. DAILY MEAN	579.12	21st
MIN. READING	578.72	1st	1.00 a.m.	MIN. DAILY MEAN	578.87	1st & 18th
RANGE	0.58	FOOT		RANGE	0.25	FOOT

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MONTHLY BULLETIN
MARCH WATER LEVELS

LAKE ERIE.- at PORT COLBORNE

monthly mean 571.08 feet above Mean Sea Level, as referred to Canadian Hydrographic Service B.M. "Steel Rivet" elevation 584.657 feet, or

0.14 foot lower than FEBRUARY 1958
0.63 foot lower than MARCH 1957
3.06 feet lower than the highest March (1863) since 1860
1.68 feet higher than the lowest March (1934) since 1860
1.65 feet lower than the average stage of March for the last 10 years
0.84 foot lower than the average stage of March for the last 98 years
During the last 10 years the March level has averaged 0.37 foot higher than the February level, and 0.47 foot lower than the April level.
During the last 98 years the March level has averaged 0.15 foot higher than the February level, and 0.52 foot lower than the April level.

MAX. READING	571.74	3rd	1.06 p.m.	MAX. DAILY MEAN	571.38	3rd & 16th
MIN. READING	570.17	25th	8.49 p.m.	MIN. DAILY MEAN	570.62	25th
RANGE	1.57	FEET		RANGE	0.76	FOOT

LAKE ONTARIO.- at KINGSTON

monthly mean 244.76 feet above Mean Sea Level, as referred to Canadian Hydrographic Service B.M. "Steel Rivet" elevation 252.710 feet, or

0.19 foot higher than FEBRUARY 1958
0.58 foot lower than MARCH 1957
3.08 feet lower than the highest March (1952) since 1860
1.58 feet higher than the lowest March (1935) since 1860
1.77 feet lower than the average stage of March for the last 10 years
0.87 foot lower than the average stage of March for the last 98 years.
During the last 10 years the March level has averaged 0.42 foot higher than the February level, and 0.71 foot lower than the April level.
During the last 98 years the March level has averaged 0.28 foot higher than the February level, and 0.59 foot lower than the April level.

MAX. READING	244.95	31st	8.00 p.m.	MAX. DAILY MEAN	244.89	31st
MIN. READING	244.52	1st	11.00 p.m.	MIN. DAILY MEAN	244.59	1st
RANGE	0.43	FOOT		RANGE	0.30	FOOT

ST. LAWRENCE RIVER.- in MONTREAL HARBOUR

monthly mean 28.74 feet above Mean Sea Level, as referred to Canadian B.M. "825" elevation 49.898 feet, or

7.67 feet lower than FEBRUARY 1958
1.23 feet higher than MARCH 1957
8.46 feet lower than the highest March (1890) since 1860
4.35 feet higher than the lowest March (1956) since 1860
10.62 feet higher than the ADJUSTED 1897 LOW WATER DATUM
0.84 foot lower than the average stage of March for the last 10 years
3.24 feet lower than the average stage of March for the last 98 years
During the last 10 years the March level has averaged 4.14 feet lower than the February level, and 3.55 feet higher than the April level.
During the last 98 years the March level has averaged 0.50 foot lower than the February level, and 1.99 feet higher than the April level.

MAX. READING	34.00	4th	4.00 a.m.	MAX. DAILY MEAN	33.83	4th
MIN. READING	24.10	26th	8.00 a.m.	MIN. DAILY MEAN	24.29	26th
RANGE	9.90	FEET		RANGE	9.54	FEET

Tidal and Inland Water Levels;
Canadian Hydrographic Service,
Dept. of Mines & Technical Surveys,
Ottawa, Canada.

N. G. Gray,
Dominion Hydrographer

- 1958 -
MONTHLY BULLETIN

APRIL WATER LEVELS



The Canadian Hydrographic Service, Department of Mines and Technical Surveys, reports the mean stages of the Great Lakes, and the St. Lawrence River for APRIL 1958, as computed by HOURLY READINGS FROM SELF-REGISTERING GAUGE RECORDS. The reference for the Great Lakes is the U.S. Lake Survey datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

		ABOVE MEAN SEA LEVEL	
LAKE SUPERIOR	at PORT ARTHUR	601.33	Feet
LAKE HURON	at GODERICH	578.97	Feet
LAKE ERIE	at PORT COLBORNE	571.27	Feet
LAKE ONTARIO	at KINGSTON	245.10	Feet
ST. LAWRENCE RIVER	at MONTREAL HARBOUR	23.69	Feet

LAKE SUPERIOR, - at PORT ARTHUR

monthly mean 601.33 feet above Mean Sea Level, as referred to Canadian Hydrographic Service B.M. "Steel Rivet" elevation 616.154 feet, or

0.04 foot lower than March 1958
0.05 foot higher than April 1957
1.45 feet lower than the highest April (1951) since 1860
1.34 feet higher than the lowest April (1926) since 1860
0.49 foot lower than the average stage of April for the last 10 years
0.45 foot lower than the average stage of April for the last 98 years
During the last 10 years the April level has averaged 0.12 foot higher than the March level, and 0.42 foot lower than the May level.
During the last 98 years the April level has averaged 0.07 foot higher than the March level, and 0.35 foot lower than the May level.

MAX. READING	601.83	30th	1.22 p.m.	MAX. DAILY MEAN	601.47	28th & 30th
MIN. READING	600.93	5th	3.34 p.m.	MIN. DAILY MEAN	601.19	6th
RANGE	0.90	FOOT		RANGE	0.28	FOOT

LAKE HURON, - at GODERICH

monthly mean 578.97 feet above Mean Sea Level, as referred to Canadian Hydrographic Service B.M. "Steel Rivet" elevation 588.579 feet, or

0.01 foot lower than March 1958
0.13 foot lower than April 1957
4.25 feet lower than the highest April (1886) since 1860
1.36 feet higher than the lowest April (1934) since 1860
1.36 feet lower than the average stage of April for the last 10 years
1.45 feet lower than the average stage of April for the last 98 years.
During the last 10 years the April level has averaged 0.26 foot higher than the March level, and 0.32 foot lower than the May level.
During the last 98 years the April level has averaged 0.22 foot higher than the March level, and 0.31 foot lower than the May level.

MAX. READING	579.60	25th	10.23 p.m.	MAX. DAILY MEAN	579.28	25th
MIN. READING	577.55	6th	5.35 a.m.	MIN. DAILY MEAN	578.67	6th
RANGE	2.05	FEET		RANGE	0.61	FOOT

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- 1958 -

MONTHLY BULLETIN
APRIL WATER LEVELS

LAKE ERIE.- at PORT COLBORNE

monthly mean 571.27 feet above Mean Sea Level, as referred to Canadian Hydrographic Service B.M. "Steel Rivet" elevation 584.657 feet, or

0.19 foot higher than March 1958
1.10 feet lower than April 1957
3.12 feet lower than the highest April (1952) since 1860
1.29 feet higher than the lowest April (1935) since 1860
1.93 feet lower than the average stage of April for the last 10 years
1.17 feet lower than the average stage of April for the last 98 years
During the last 10 years the April level has averaged 0.47 foot higher than the March level, and 0.21 foot lower than the May level.
During the last 98 years the April level has averaged 0.52 foot higher than the March level, and 0.33 foot lower than the May level.

MAX.READING	574.34	24th	6.37 p.m.	MAX.DAILY MEAN	571.93	24th
MIN.READING	570.21	6th	3.11 a.m.	MIN.DAILY MEAN	570.73	4th
RANGE	4.13	FEET		RANGE	1.20	FEET

LAKE ONTARIO.- at KINGSTON

monthly mean 245.10 feet above Mean Sea Level, as referred to Canadian Hydrographic Service B.M. "Steel Rivet" elevation 252.710 feet, or

0.34 foot higher than March 1958
0.54 foot lower than April 1957
3.56 feet lower than the highest April (1952) since 1860
1.63 feet higher than the lowest April (1935) since 1860
2.14 feet lower than the average stage of April for the last 10 years
1.12 feet lower than the average stage of April for the last 98 years
During the last 10 years the April level has averaged 0.71 foot higher than the March level, and 0.40 foot lower than the May level.
During the last 98 years the April level has averaged 0.59 foot higher than the March level, and 0.39 foot lower than the May level.

MAX.READING	245.81	24th	8.23 p.m.	MAX.DAILY MEAN	245.33	25th
MIN.READING	244.65	6th	4.00 a.m.	MIN.DAILY MEAN	244.85	6th
RANGE	1.16	FEET		RANGE	0.48	FOOT

ST.LAWRENCE RIVER.- in MONTREAL HARBOUR

monthly mean 23.69 feet above Mean Sea Level, as referred to Canadian B.M. "825" elevation 49.898 feet, or

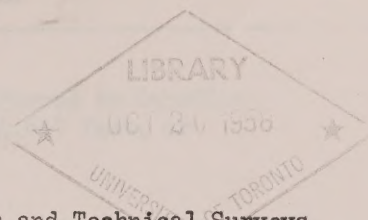
5.05 feet lower than March 1958
2.63 feet higher than April 1957
15.23 feet lower than the highest April (1887) since 1860
2.83 feet higher than the lowest April (1931) since 1860
5.57 feet higher than the ADJUSTED 1897 LOW WATER DATUM
2.34 feet lower than the average stage of April for the last 10 years
6.30 feet lower than the average stage of April for the last 98 years
During the last 10 years the April level has averaged 3.55 feet lower than the March level, and 2.49 feet higher than the May level.
During the last 98 years the April level has averaged 1.99 feet lower than the March level, and 3.79 feet higher than the May level.

MAX.READING	25.70	1st	3.00 a.m.	MAX.DAILY MEAN	25.62	1st
MIN.READING	22.20	30th	3.00 a.m.	MIN.DAILY MEAN	22.31	30th
RANGE	3.50	FEET		RANGE	3.31	FEET

Tidal & Inland Water Levels,
Canadian Hydrographic Service,
Dept. of Mines & Technical Surveys,
Ottawa, Canada.

N. G. Gray,
Dominion Hydrographer

- 1958 -
MONTHLY BULLETIN
MAY WATER LEVELS



The Canadian Hydrographic Service, Department of Mines and Technical Surveys, reports the mean stages of the Great Lakes, and the St. Lawrence River for MAY 1958, as computed by HOURLY READINGS FROM SELF-REGISTERING GAUGE RECORDS. The reference for the Great Lakes is the U.S. Lake Survey datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

			ABOVE MEAN SEA LEVEL	
LAKE SUPERIOR	at PORT ARTHUR	601.48	Feet	
LAKE HURON	at GODERICH	578.95	Feet	
LAKE ERIE	at PORT COLBORNE	571.47	Feet	
LAKE ONTARIO	at KINGSTON	245.30	Feet	
ST. LAWRENCE RIVER	at MONTREAL HARBOUR	20.29	Feet	

LAKE SUPERIOR, - at PORT ARTHUR
monthly mean 601.48 feet above Mean Sea Level, as referred to Canadian Hydrographic Service B.M. "Steel Rivet" elevation 616.154 feet, or

0.15 foot higher than April 1958
0.22 foot lower than May 1957
1.71 feet lower than the highest May (1951) since 1860
1.36 feet higher than the lowest May (1926) since 1860
0.76 foot lower than the average stage of May for the last 10 years
0.65 foot lower than the average stage of May for the last 98 years
During the last 10 years the May level has averaged 0.42 foot higher than the April level, and 0.32 foot lower than the June level.
During the last 98 years the May level has averaged 0.35 foot higher than the April level, and 0.29 foot lower than the June level.

MAX. READING	602.04	26th	3.47 p.m.	MAX. DAILY MEAN	601.64	26th
MIN. READING	601.02	22nd	1.57 a.m.	MIN. DAILY MEAN	601.39	22nd
RANGE	1.02	FEET		RANGE	0.25	FOOT

LAKE HURON, - at GODERICH
monthly mean 578.95 feet above Mean Sea Level, as referred to Canadian Hydrographic Service B.M. "Steel Rivet" elevation 588.579 feet, or

0.02 foot lower than APRIL 1958
0.40 foot lower than MAY 1957
4.60 feet lower than the highest MAY (1886) since 1860
1.15 feet higher than the lowest MAY (1934) since 1860
1.70 feet lower than the average stage of MAY for the last 10 years
1.78 feet lower than the average stage of MAY for the last 98 years.
During the last 10 years the MAY level has averaged 0.32 foot higher than the APRIL level, and 0.18 foot lower than the JUNE level.
During the last 98 years the MAY level has averaged 0.31 foot higher than the APRIL level, and 0.24 foot lower than the JUNE level.

MAX. READING	579.46	4th	8.43 a.m.	MAX. DAILY MEAN	579.18	1st
MIN. READING	578.34	27th	1.55 a.m.	MIN. DAILY MEAN	578.75	27th
RANGE	1.12	FEET		RANGE	0.43	FOOT

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MONTHLY BULLETIN
MAY WATER LEVELS

LAKE ERIE.-

at PORT COLBORNE

monthly mean 571.47 feet above Mean Sea Level, as referred to Canadian Hydrographic Service B.M. "Steel Rivet" elevation 584.657 feet, or

0.20 foot higher than APRIL 1958
1.13 feet lower than MAY 1957
3.23 feet lower than the highest May (1862) since 1860
1.28 feet higher than the lowest May (1934) since 1860
1.94 feet lower than the average stage of May for the last 10 years
1.30 feet lower than the average stage of May for the last 98 years
During the last 10 years the May level has averaged 0.21 foot higher than the April level, and 0.05 foot lower than the June level.
During the last 98 years the May level has averaged 0.33 foot higher than the April level, and 0.13 foot lower than the June level.

MAX. READING 572.50	22nd	2.03 p.m.	MAX. DAILY MEAN 571.78	20th
MIN. READING 570.45	2nd	5.00 a.m.	MIN. DAILY MEAN 570.88	2nd
RANGE 2.05	FEET		RANGE 0.90	FOOT

LAKE ONTARIO.-

at KINGSTON

monthly mean 245.30 feet above Mean Sea Level, as referred to Canadian Hydrographic Service B.M. "Steel Rivet" elevation 252.710 feet, or

0.20 foot higher than APRIL 1958
0.53 foot lower than MAY 1957
3.71 feet lower than the highest May (1952) since 1860
1.53 feet higher than the lowest May (1935) since 1860
2.34 feet lower than the average stage of May for the last 10 years
1.31 feet lower than the average stage of May for the last 98 years
During the last 10 years the May level has averaged 0.40 foot higher than the April level, and 0.01 foot lower than the June level.
During the last 98 years the May level has averaged 0.39 foot higher than the April level, and 0.14 foot lower than the June level.

MAX. READING 245.63	22nd	1.12 p.m.	MAX. DAILY MEAN 245.40	9th
MIN. READING 245.04	3rd	2.43 a.m.	MIN. DAILY MEAN 245.20	2nd
RANGE 0.59	FEET		RANGE 0.20	FOOT

ST. LAWRENCE RIVER.-

in MONTREAL HARBOUR

monthly mean 20.29 feet above Mean Sea Level, as referred to Canadian B.M. "825" elevation 49.893 feet, or

2.40 feet lower than APRIL 1958
0.50 foot lower than MAY 1957
12.58 feet lower than the highest May (1876) since 1860
0.50 foot lower than the previous lowest May (1957) since 1860
2.17 feet higher than the ADJUSTED 1897 LOW WATER DATUM
3.25 feet lower than the average stage of May for the last 10 years
5.91 feet lower than the average stage of May for the last 98 years
During the last 10 years the May level has averaged 2.49 feet lower than the April level, and 1.50 feet higher than the June level.
During the last 98 years the May level has averaged 3.79 feet lower than the April level, and 1.76 feet higher than the June level.

MAX. READING 22.30	1st	1.00 a.m.	MAX. DAILY MEAN 22.10	2nd
MIN. READING 19.33	31st	1.29 p.m.	MIN. DAILY MEAN 19.36	28th
RANGE 2.97	FEET		RANGE 2.74	FEET

Tidal & Inland Water Levels,
Canadian Hydrographic Service,
Dept. of Mines & Technical Surveys,
Ottawa, Canada.

N. G. Gray,
Dominion Hydrographer

DEPARTMENT OF MINES AND TECHNICAL SURVEYS

CANADIAN HYDROGRAPHIC SERVICE

WATER LEVELS BULLETIN
for the
GREAT LAKES AND ST. LAWRENCE RIVER

JUNE, 1958.

Elevations are in feet above Mean Sea Level Local Standard Time	Lake Superior at Port Arthur	Lake Huron at Goderich	Lake Erie at Port Colborne	Lake Ontario at Kingston	St. Lawrence R. in Montreal Harbour
Monthly mean elevation	601.70	578.93	571.66	245.28	19.68
Referred to B. M.	Steel Rivet	Steel Rivet	Steel Rivet	Steel Rivet	825
Elevation of B. M.	616.15	588.58	584.66	252.71	49.90
Maximum Elevation	602.71	579.49	573.17	245.64	20.63
Date	30th	26th	25th	8th	6th
Time	12:23	18:33	22:04	7:41	2:34
Minimum Elevation	600.93	578.23	570.82	244.98	19.15
Date	5th	5th	9th	25th	28th
Time	4:11	5:54	13:46	10:22	12:00
Maximum Daily Mean	601.89	579.16	572.21	245.41	20.51
Date	28th & 30th	27th	26th	15th & 16th	6th
Minimum Daily Mean	601.52	578.78	571.34	245.18	19.29
Date	1st	25th	3rd	24th	28th
<u>C O M P A R I S O N</u>					
With maximum monthly mean of June since 1860	(1916) -1.80	(1886) -4.71	(1860) -3.02	(1952) -3.84	(1876) -10.13
With Minimum Monthly Mean of June since 1860	(1926) +1.25	(1934) +1.04	(1934) +1.46	(1935) +1.26	(1941) +0.14
With the average June level for the last 10 years	-0.86	-1.90	-1.80	-2.37	-2.36
for the last 98 years	-0.72	-2.04	-1.29	-1.47	-4.76
With the monthly mean of May 1958	+0.22	-0.02	+0.19	-0.02	-0.61
June 1957	-0.31	-0.69	-1.18	-0.82	-0.55
Monthly average of last 10 years					
June level with May level	+0.32	+0.18	+0.05	+0.01	-1.50
June level with July level	-0.28	-0.18	+0.10	+0.26	+0.60
Monthly average of last 98 years					
June level with May level	+0.29	+0.24	+0.18	+0.14	-1.76
June level with July level	-0.22	-0.13	-0.02	+0.07	+1.61

The reference for the Great Lakes is the U.S. Lake Survey datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

Ottawa.
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N. G. Gray,
Dominion Hydrographer.

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DEPARTMENT OF MINES AND TECHNICAL SURVEYS

CANADIAN HYDROGRAPHIC SERVICE

WATER LEVELS BULLETIN
for the
GREAT LAKES AND ST. LAWRENCE RIVER

JULY 1958

Elevations are in feet above Mean Sea Level Local Standard Time	Lake Superior at Port Arthur	Lake Huron at Coderich	Lake Erie at Port Colborne	Lake Ontario at Kingston	St. Lawrence R. in Montreal Harbour
Monthly Mean Elevation	602.11	579.02	571.89	245.13	19.68
Referred to B.M.	Steel Rivet	Steel Rivet	Steel Rivet	Steel Rivet	825
Elevation of B.M.	616.15	588.58	584.66	252.71	49.90
Maximum Elevation	602.58	579.54	573.51	245.47	20.41
Date	1st	1st	15th	19th	21st
Time	11:07	18:00	17:17	11:39	8:21
Minimum Elevation	601.11	578.47	571.06	244.87	18.95
Date	1st	5th	4th	5th	15th
Time	12:38	1:18	22:45	17:49	8:00
Maximum Daily Mean	602.24	579.27	572.27	245.28	20.28
Date	27th	19th	19th	1st	20th
Minimum Daily Mean	601.92	578.77	571.66	245.03	19.20
Date	3rd	5th	4th	22nd	15th
<u>C O M P A R I S O N</u>					
With maximum monthly mean of JULY since 1860	(1876) -1.71	(1876) -4.64	(1862) -2.91	(1947) -3.68	(1861) -7.27
With minimum monthly mean of JULY since 1860	(1926) +1.31	(1934) +1.04	(1934) +1.72	(1934) +1.28	(1934) +0.48
With the average JULY level for the last 10 years	-0.73	-1.99	-1.47	-2.26	-1.76
for the last 98 years	-0.53	-2.08	-1.08	-1.55	-3.15
With the monthly mean of JUNE 1958	+0.41	+0.09	+0.23	-0.15	-0.00
JULY 1957	-0.28	-0.92	-1.15	-1.13	-2.24
Monthly average of the last 10 yrs.					
JULY level with JUNE level	+0.28	+0.18	-0.10	-0.26	-0.60
JULY level with AUGUST level	-0.11	+0.05	+0.28	+0.47	+0.77
Monthly average of the last 98 yrs.					
JULY level with JUNE level	+0.22	+0.13	+0.02	-0.07	-1.61
JULY level with AUGUST level	-0.09	+0.05	+0.24	+0.32	+1.00

The reference for the Great Lakes is the U.S. Lake Survey datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

WATER LEVELS BULLETIN
for the
GREAT LAKES AND ST. LAWRENCE RIVER
AUGUST 1958

Elevations are in feet above Mean Sea Level Local Standard Time	Lake Superior at Port Arthur	Lake Huron at Godenrich	Lake Erie at Port Colborne	Lake Ontario at Kingston	St. Lawrence R. in Montreal Harbour
Monthly Mean Elevation	602.11	578.93	571.92	244.90	18.95
Referred to B.M.	Steel Rivet	Steel Rivet	Steel Rivet	Steel Rivet	825
Elevation of B.M.	616.15	583.58	584.66	252.71	49.90
Maximum Elevation	602.66	579.56	573.30	245.28	19.72
Date	10th	31st	31st	31st	1st
Time	1:03	23:16	15:51	22:43	13:58
Minimum Elevation	601.67	577.76	571.22	244.32	18.47
Date	12th	30th	18th	31st	13th
Time	2:39	9:33	1:19	19:00	2:06
Maximum Daily Mean	602.24	579.11	572.21	245.04	19.63
	1st	10th	17th	1st	1st
Minimum Daily Mean	601.98	578.71	571.68	244.70	18.59
Date	21, 24	27th	23rd	30th	13th
C O M P A R I S O N					
With maximum monthly mean of AUGUST since 1860	(1876) -1.82	(1876) -4.67	(1862) -2.53	(1947) -3.66	(1861) -6.52
With minimum monthly mean of AUGUST since 1860	(1936) +1.12	(1934) +0.99	(1934) +1.82	(1934) +1.51	(1934) +1.36
With the average AUGUST level for the last 10 years	-0.84	-2.03	-1.16	-2.02	-1.72
for the last 98 years	-0.62	-2.22	-0.31	-1.46	-2.88
With the monthly mean of JULY 1958	0.0	+0.09	+0.23	-0.23	-0.73
AUGUST 1957	+0.30	+0.35	+0.66	-0.96	-0.64
Monthly average of the last 10 yrs.	-	-	-	-	-
AUGUST level with JULY level	+0.11	+0.05	-0.26	-0.47	-0.77
AUGUST level with SEPT. level	+0.07	+0.20	+0.28	+0.41	+0.36
Monthly average of the last 98 yrs.	-	-	-	-	-
AUGUST level with JULY level	+0.09	-0.05	-0.24	-0.32	-1.00
AUGUST level with SEPT. level	-0.03	+0.13	+0.26	+0.40	+0.60

The reference for the Great Lakes is the U.S. Lake Survey datum of 1903 adjustment,
and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

Ottawa
400-M

N. G. Gray,
Dominion Hydrographer.

DEPARTMENT OF MINES AND TECHNICAL SURVEYS

CANADIAN HYDROGRAPHIC SERVICE

WATER LEVELS BULLETIN
for the
GREAT LAKES AND ST. LAWRENCE RIVER

SEPTEMBER 1958

Elevations are in feet above Mean Sea Level Local Standard Time	Lake Superior at Port Arthur	Lake Huron at Godfrich	Lake Erie at Port Colborne	Lake Ontario at Kingston	St. Lawrence R. in Montreal Harbour
Monthly Mean Elevation	602.35	568.80	571.71	244.67	19.09
Referred to B.M.	Steel Rivet	Steel Rivet	Steel Rivet	Steel Rivet	825
Elevation of B.M.	616.15	583.58	584.66	252.71	49.90
Maximum Elevation	602.73	579.50	574.04	245.50	20.31
Date	3rd	9th	9th	30th	18th
Time	3:32	22:45	23:49	19:29	20:44
Minimum Elevation	601.78	570.20	570.97	244.36	18:40
Date	3rd	4th	17th	17th	30th
Time	16:05	5:53	12:03	19:50	21:35
Maximum Daily Mean	602.47	579.28	572.31	244.86	20.03
Date	14th	10th	30th	30th	18th
Minimum Daily Mean	602.18	570.52	571.35	244.50	18.66
Date	30th	24th	17th	17th	6th
<u>C O M P A R I S O N</u>					
With maximum monthly mean of SEPTEMBER since 1860	(1869) -1.72	(1876) -4.69	(1861) -2.51	(1947) -3.33	(1869) -6.37
With minimum monthly mean of SEPTEMBER since 1860	(1926) +1.08	(1934) +0.96	(1934) +1.72	(1934) +1.57	(1934) +1.79
With the average SEPTEMBER level for the last 10 years	-0.52	-1.98	-1.09	-1.84	-1.22
for the last 98 years	-0.40	-2.07	-0.76	-1.29	-2.14
With the monthly mean of AUGUST 1958	-0.21	-0.13	-0.21	-0.23	+0.14
SEPTEMBER 1957	-0.01	-0.26	-0.61	-0.84	-0.26
Monthly average of the last 10 yrs. SEPT. level with AUGUST level	-0.07	-0.20	-0.23	-0.41	-0.36
SEPT. level with OCTOBER level	+0.17	+0.25	+0.34	+0.42	+0.15
Monthly average of the last 98 yrs. SEPT. level with AUGUST level	+0.03	-0.18	-0.26	-0.40	-0.60
SEPT. level with OCTOBER level	+0.09	+0.21	+0.22	+0.36	+0.12

The reference for the Great Lakes is the U.S. Lake Survey datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

Geo. Doc

Canada. Hydrographic and Map Service

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WATER LEVEL BULLETIN for the Great Lakes and St. Lawrence River (GREAT LAKES AND MONTREAL HARBOUR)



INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

FOR 19 58

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	601.66	601.49	601.37	601.33	601.48	601.70	602.11	602.11	602.36	602.27			
HIGH LEVEL FOR MONTH	602.19	601.84	601.60	601.83	602.04	602.71	602.58	602.66	602.79	602.63			
Day and Hour	12/02/00	25/1856	7/0750	30/1322	26/1547	30/1223	1/1107	10/0103	3/0332	9/1850			
LOW LEVEL FOR MONTH	601.11	601.23	601.19	600.93	601.02	600.93	601.11	601.67	601.78	601.88			
Day and Hour	10/1138	17/2136	9/1918	5/1534	22/0157	5/0411	1/1238	12/0239	3/1605	4/1231			
HIGHEST DAILY MEAN	601.81	601.60	601.48	601.47	601.64	601.89	602.24	602.47	602.38	602.16			
Day	4.5.8.9	4.4.5	5	28.30	26	28.30	27	1.5	14	13.19			
LOWEST DAILY MEAN	601.52	601.38	601.31	601.19	601.39	601.52	601.92	601.98	602.18	602.16			
Day	17	17.18.27	21.30	6	22	1	3	21.24	30	31			
Last year's mean for month	601.44	601.25	601.20	601.28	601.70	602.01	602.39	602.41	602.40	602.21			
Max. mean for month since 1860	602.87	602.65	602.58	602.78	603.19	603.50	603.82	603.93	604.08	603.60			
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916			
Min. mean for month since 1860	600.72	600.14	600.06	599.99	600.12	600.45	600.80	600.99	601.28	601.23			
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925			
Mean for month - last 10 years	602.01	601.22	601.63	601.78	602.17	602.51	602.82	602.91	602.85	602.71			
Mean for month - since 1860	602.00	601.81	601.71	601.78	602.12	602.42	602.64	602.72	602.75	602.67			

LAKE HURON (at Goderich)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	579.11	579.16	578.98	578.97	578.95	578.93	579.02	578.93	578.80	578.51			
HIGH LEVEL FOR MONTH	580.11	580.12	579.70	579.70	579.46	579.49	579.54	579.56	579.56	579.55			
Day and Hour	1/0443	11/2025	7/0750	25/2223	4/0843	26/1833	1/1800	31/2316	9/2245	11/0808			
LOW LEVEL FOR MONTH	578.70	578.42	578.72	577.75	578.34	578.23	578.47	577.76	578.20	577.95			
Day and Hour	24/2144	24/1331	1/0100	6/0535	27/0155	5/0554	5/0118	30/0933	4/0553	22/0754			
HIGHEST DAILY MEAN	579.45	579.86	579.12	579.28	579.18	579.16	579.27	579.11	579.28	579.23			
Day	2	17.	22	25	1	27	19	10	10	11			
LOWEST DAILY MEAN	578.72	578.72	578.87	578.67	578.75	578.78	578.77	578.71	578.53	578.11			
Day	25	27	1.18	6	27	25	5	27	24	22			
Last year's mean for month	579.30	579.35	579.04	579.10	579.35	579.62	579.94	579.79	579.66	579.25			
Max. mean for month since 1860	582.67	582.74	582.93	583.22	583.55	583.64	583.66	583.60	583.49	583.09			
Year	1886	1886	1886	1886	1886	1886	1876	1876	1876	1876			
Min. mean for month since 1860	577.52	577.42	577.45	577.61	577.80	577.89	577.98	577.94	577.84	577.77			
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934			
Mean for month - last 10 years	579.99	579.96	579.97	580.18	580.46	580.65	580.83	580.79	580.61	580.37			
Mean for month - since 1860	580.16	580.12	580.19	580.40	580.71	580.95	581.08	581.03	580.85	580.64			

LAKE ERIE (at Port Colborne)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	571.77	571.22	571.08	571.27	571.47	571.66	571.89	571.92	571.71	571.35			
HIGH LEVEL FOR MONTH	575.73	572.58	571.74	574.34	572.50	573.17	573.51	573.30	574.04	573.92			
Day and Hour	1/0613	10/1218	3/1306	24/1837	22/1408	25/2204	15/1717	31/1551	9/2349	10/1556			
LOW LEVEL FOR MONTH	569.90	569.62	570.17	570.21	570.45	570.82	571.06	571.22	570.97	570.24			
Day and Hour	25/0135	27/1722	25/2049	6/0311	2/0500	9/1346	4/2245	18/0119	17/1203	5/0920			
HIGHEST DAILY MEAN	573.12	572.18	571.38	571.93	571.78	572.21	572.27	572.21	572.31	572.25			
Day	1	10	2.16	24	20	26	19	17	30	10			
LOWEST DAILY MEAN	570.77	570.22	570.62	570.73	570.88	571.34	571.66	571.68	571.35	570.90			
Day	24	27	25	4	2	3	4	23	17	22			
Last year's mean for month	571.82	571.47	571.71	572.37	572.60	572.84	573.04	572.58	572.32	571.85			
Max. mean for month since 1860	574.08	573.96	574.14	574.39	574.70	574.68	574.80	574.45	574.22	574.27			
Year	1863	1863	1863	1862	1862	1860	1862	1862	1861	1861			
Min. mean for month since 1860	569.67	569.39	569.40	569.98	570.19	570.20	570.17	570.10	569.99	569.88			
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934			
Mean for month - last 10 years	572.36	572.29	572.60	573.00	573.19	573.26	573.19	572.96	572.70	572.36			
Mean for month - since 1860	572.39	571.76	571.92	572.43	572.75	572.94	572.96	572.72	572.46	572.24			

LAKE ONTARIO (at Kingston)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	244.69	244.57	244.76	245.10	245.30	245.28	245.13	244.90	244.67	244.38			
HIGH LEVEL FOR MONTH	245.73	245.11	244.95	245.81	245.63	245.64	245.47	245.28	245.50	245.07			
Day and Hour	1/1047	25/0546	31/2000	24/2023	22/1312	8/0741	19/1139	31/2243	30/1929	10/1952			
LOW LEVEL FOR MONTH	244.13	244.10	244.52	244.65	245.04	244.98	244.87	244.32	244.36	243.87			
Day and Hour	25/0130	27/1230	1/2300	6/0400	3/0243	25/1022	5/1749	31/1900	17/1950	31/2400			
HIGHEST DAILY MEAN	245.09	244.75	244.89	245.33	245.40	245.41	245.28	245.04	244.86	244.69			
Day	1	4	31	25	9	15.16	1	1.2	30	4			
LOWEST DAILY MEAN	244.41	244.30	244.59	244.85	245.20	245.18	245.03	244.70	244.50	244.14			
Day	15	27	1	6	2	24	22	30	17	27			
Last year's mean for month	245.13	245.17	245.34	245.64	245.88	246.10	246.26	245.88	245.51	244.99			
Max. mean for month since 1860	247.48	247.55	247.84	248.66	249.01	249.12	248.81	248.56	248.00	247.69			
Year	1886	1886	1952	1952	1952	1952	1947	1947	1947	1861			
Min. mean for month since 1860	242.78	242.68	243.18	243.47	243.77	244.02	243.85	243.39	243.10	242.84			
Year	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934			
Mean for month - last 10 years	245.82	245.95	246.24	246.98	247.37	247.37	247.11	246.67	246.30	245.90			
Mean for month - since 1860	245.29	245.34	245.62	246.21	246.60	246.74	246.67	246.35	245.94	245.59			

MONTREAL HARBOUR (at King Edward Pier)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	28.85	36.41	28.74	23.69	20.29	19.68	19.68	18.95	19.09	19.34			
HIGH LEVEL FOR MONTH	26.80	42.30	34.00	25.70	22.30	20.63	20.41	19.72	20.31	20.91			
Day and Hour	29/1047	19/1739	4/0400	1/0300	1/0100	6/0234	21/0821	1/1358	18/2044	28/1108			
LOW LEVEL FOR MONTH	19.98	31.50	24.10	22.20	19.33	19.15	18.95	18.47	18.40	18.15			
Day and Hour	4/1906	3/1044	26/0800	30/0300	31/1329	28/1200	15/0800	13/0206	30/2135	7/1015			
HIGHEST DAILY MEAN	35.26	39.98	33.83	25.62	22.10	20.51	20.28	19.63	20.03	20.79			
Day	30	11	4	1	2	6	20	1	18	27.28			
LOWEST DAILY MEAN	20.05	32.06	24.29	22.31	19.36	19.29	19.20	18.59	18.66	18.31			
Day	4	3	26	30	28	28	15	13	6	7			
Last year's mean for month	33.23	32.78	27.51	21.06	20.79	20.23	21.92	19.59	19.35	19.34			
Max. mean for month since 1860	40.22	38.74	37.20	38.92	32.87	29.81	26.95	25.47	25.46	25.90			
Year	1886	1890	1890	1887	1876	1876	1861	1861	1869	1861			
Min. mean for month since 1860	21.33	25.69	24.39	20.86	20.29	19.54	19.20	17.59	17.30	17.29			
Year	1932	1935	1956	1931	1958	1941	1934	1934	1934	1934			
Mean for month - last 10 years	29.92	34.28	29.28	25.89	23.23	21.79	21.28	20.47	20.20	20.14			
Mean for month - since 1860	33.01	32.52	31.95	29.93	26.14	24.40	22.80	21.80	21.21	21.10			

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

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WATER LEVEL BULLETIN

GREAT LAKES AND MONTREAL HARBOUR



INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

FOR 19 58

Nov

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	601.66	601.49	601.37	601.33	601.48	601.70	602.11	602.11	602.36	602.27	602.16		
HIGH LEVEL FOR MONTH	602.19	601.84	601.60	601.83	602.04	602.71	602.58	602.66	602.79	602.63	603.31		
Day and Hour	12/0240	25/1856	7/0750	30/1322	26/1547	30/1223	1/1107	10/0103	3/0332	9/1850	18/0234		
LOW LEVEL FOR MONTH	601.15	601.23	601.19	600.93	601.02	600.93	601.11	601.67	601.78	601.88	601.67		
Day and Hour	10/1138	17/2136	9/1918	5/1534	22/0157	5/0411	1/1238	12/0239	3/1605	4/1231	26/1209		
HIGHEST DAILY MEAN	601.81	601.60	601.48	601.47	601.64	601.89	602.24	602.24	602.47	602.38	602.44		
Day	44.5.9	4	5	28.31	26	28.30	27	1.5	14	13.19	25		
LOWEST DAILY MEAN	601.52	601.38	601.31	601.19	601.39	601.52	601.92	601.98	602.18	602.16	601.84		
Day	17	17.18.27	21.30	6	22	1	3	21.24	30	31	29		
Last year's mean for month	601.44	601.25	601.20	601.28	601.70	602.01	602.39	602.41	602.40	602.21	602.09		
Max. mean for month since 1860	602.87	602.65	602.58	602.78	603.19	603.50	603.82	603.93	604.08	603.60	603.51		
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916	1900		
Min. mean for month since 1860	600.32	600.14	600.06	599.99	600.12	600.45	600.80	600.99	601.28	601.23	600.90		
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925		
Mean for month - last 10 years	602.01	601.82	601.68	601.78	602.17	602.51	602.82	602.91	602.85	602.71	602.49		
Mean for month - since 1860	602.00	601.81	601.71	601.78	602.12	602.42	602.64	602.72	602.75	602.67	602.49		

LAKE HURON (at Goderich)

MEAN FOR MONTH	579.11	579.16	578.98	578.97	578.95	578.93	579.02	578.93	578.80	578.51	578.31		
HIGH LEVEL FOR MONTH	580.11	580.12	579.30	579.60	579.46	579.49	579.54	579.56	579.56	579.55	580.04		
Day and Hour	1/0443	17/2025	7/0750	25/2223	4/0843	26/1833	1/1800	31/2316	9/2245	11/0808	29/1743		
LOW LEVEL FOR MONTH	578.39	578.42	578.72	577.55	578.34	578.23	578.47	577.76	578.20	577.95	576.90		
Day and Hour	24/2144	24/1131	1/0100	6/0535	27/0155	5/0554	5/0118	30/0933	4/0553	22/0754	25/2012		
HIGHEST DAILY MEAN	579.45	579.86	579.12	579.28	579.18	579.16	579.27	579.11	579.28	579.23	578.95		
Day	2	21	25	1	27	19	10	10	11	11	29		
LOWEST DAILY MEAN	578.72	578.72	578.87	578.67	578.75	578.78	578.77	578.71	578.53	578.11	577.74		
Day	25	27	18	6	27	5	27	24	22	25	25		
Last year's mean for month	579.30	579.25	579.04	579.10	579.35	579.62	579.94	579.79	579.66	579.35	579.25		
Max. mean for month since 1860	582.67	582.74	582.93	583.22	583.55	583.64	583.66	583.60	583.49	583.09	582.94		
Year	1886	1886	1886	1886	1886	1886	1876	1876	1876	1876	1876		
Min. mean for month since 1860	577.52	577.42	577.45	577.61	577.80	577.89	577.98	577.94	577.84	577.77	577.53		
Year	1924	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934		
Mean for month - last 10 years	579.99	579.96	579.97	580.18	580.46	580.65	580.83	580.79	580.61	580.37	580.17		
Mean for month - since 1860	580.16	580.12	580.19	580.40	580.71	580.95	581.08	581.03	580.85	580.64	580.44		

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	571.77	571.22	571.08	571.27	571.47	571.66	571.89	571.92	571.71	571.35	571.29		
HIGH LEVEL FOR MONTH	575.73	572.58	571.74	574.34	572.50	573.17	573.51	573.30	574.04	573.92	574.78		
Day and Hour	1/0613	10/1218	3/1306	24/1837	22/1408	25/2204	15/1717	31/1551	9/2349	10/1556	6/0057		
LOW LEVEL FOR MONTH	569.90	569.62	570.17	570.21	570.45	570.82	571.06	571.22	570.97	570.24	569.52		
Day and Hour	25/0135	27/1722	25/2049	6/0311	2/0500	9/1346	4/2245	18/0119	17/1203	5/0920	16/0653		
HIGHEST DAILY MEAN	573.12	572.18	571.38	571.93	571.78	572.21	572.27	572.21	572.31	572.25	572.99		
Day	1	10	3.16	24	20	26	19	17	30	10	29		
LOWEST DAILY MEAN	570.77	570.22	570.62	570.73	570.88	571.34	571.66	571.68	571.35	570.90	570.28		
Day	24	27	25	4	2	3	4	23	17	22	16		
Last year's mean for month	571.82	571.47	571.71	572.37	572.60	572.84	573.04	572.58	572.32	571.85	571.98		
Max. mean for month since 1860	574.08	573.96	574.34	574.39	574.70	574.68	574.80	574.45	574.22	574.27	574.28		
Year	1863	1863	1863	1863	1862	1862	1862	1862	1861	1861	1861		
Min. mean for month since 1860	569.67	569.39	569.40	569.98	570.19	570.20	570.17	570.10	569.99	569.88	569.61		
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934	1934		
Mean for month - last 10 years	572.36	572.29	572.60	573.00	573.19	573.26	573.19	572.96	572.70	572.36	572.33		
Mean for month - since 1860	571.99	571.76	571.92	572.43	572.75	572.94	572.96	572.72	572.46	572.24	572.15		

LAKE ONTARIO (at Kingston)

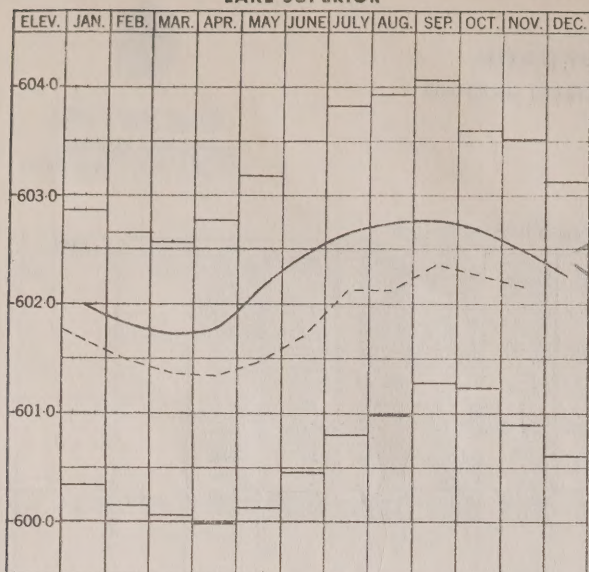
MEAN FOR MONTH	244.69	244.57	244.76	245.10	245.30	245.28	245.13	244.90	244.67	244.38	244.20		
HIGH LEVEL FOR MONTH	245.73	245.11	244.95	245.81	245.63	245.64	245.47	245.28	245.60	245.07	244.85		
Day and Hour	1/1047	25/0516	31/2000	24/2023	22/1312	8/0741	19/1139	31/2243	30/1929	10/1952	6/0232		
LOW LEVEL FOR MONTH	244.13	244.10	244.52	244.65	245.04	244.98	244.87	244.32	244.36	243.87	243.65		
Day and Hour	25/0130	27/1230	1/2300	6/0400	3/0243	25/1022	5/1749	31/1900	17/1950	31/2400	30/0353		
HIGHEST DAILY MEAN	245.09	244.75	244.89	245.33	245.40	245.41	245.28	245.04	244.86	244.69	244.50		
Day	1	4	21	25	9	13.16	1	1.2	30	4	26		
LOWEST DAILY MEAN	244.41	244.30	244.59	244.85	245.20	245.18	245.03	244.70	244.50	244.14	243.94		
Day	15	27	1	6	2	24	22	30	17	27	16		
Last year's mean for month	245.13	245.17	245.34	245.64	245.88	246.10	246.26	245.88	245.51	244.99	244.67		
Max. mean for month since 1860	247.48	247.55	247.84	248.66	249.01	249.12	248.81	248.56	248.00	247.69	247.70		
Year	1886	1886	1952	1952	1952	1947	1947	1947	1947	1861	1861		
Min. mean for month since 1860	242.78	242.68	243.18	243.47	243.77	244.02	243.85	243.39	243.10	242.84	242.57		
Year	1935	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934		
Mean for month - last 10 years	245.82	245.95	246.34	246.98	247.37	247.37	247.11	246.67	246.30	245.90	245.66		
Mean for month - since 1860	245.29	245.34	245.62	246.21	246.60	246.74	246.67	246.35	245.94	245.59	245.35		

MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	28.85	26.41	28.74	23.69	20.29	19.68	19.68	18.95	19.09	19.34	19.17		
HIGH LEVEL FOR MONTH	36.80	42.30	34.00	25.70	22.30	20.63	20.41	19.72	20.31	20.91	19.93		
Day and Hour	29/1047	10/1739	4/0400	1/0300	1/0100	6/0234	21/0821	1/1358	18/2044	28/1108	1/0100		
LOW LEVEL FOR MONTH	19.98	31.50	24.10	22.20	19.33	19.15	18.95	18.47	18.40	18.15	18.63		
Day and Hour	4/1906	3/1044	26/0800	30/0300	31/1329	28/1200	15/0800	13/0206	30/2135	7/1015	6/0945		
HIGHEST DAILY MEAN	35.26	39.98	33.83	25.62	22.10	20.51	20.28	19.63	20.03	20.79	19.77		
Day	30	11	21	2	2	6	20	1	18	27.28	1		
LOWEST DAILY MEAN	20.05	32.06	24.29	22.31	19.36	19.29	19.20	18.59	18.66	18.31	18.84		
Day	4	20	26	30	28	28	15	13	6	7	6		
Last year's mean for month	33.23	32.78	27.51	21.06	20.79	20.23	21.92	19.59	19.35	19.34	20.12		
Max. mean for month since 1860	40.22	38.74	37.20	38.92	32.87	29.81	26.95	25.47	25.46	25.90	26.13		
Year	1886	1890	1890	1887	1876	1876	1861	1861	1869	1861	1861		
Min. mean for month since 1860	21.33	25.69	24.39	20.86	20.29	19.54	19.20	17.59	17.30	17.29	17.15		
Year	1932	1935	1936	1931	1958	1943	1934	1934	1934	1934	1934		
Mean for month - last 10 years	29.92	34.28	29.28	25.89	23.23	21.79	21.28	20.47	20.20	20.34	20.22		
Mean for month - since 1860	33.01	32.52	31.95	29.93	26.14	24.40	22.80	21.80	21.21	21.10	21.33		

Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

LAKE SUPERIOR



CANADA

INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE

DEPARTMENT OF MINES AND TECHNICAL SURVEYS

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MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

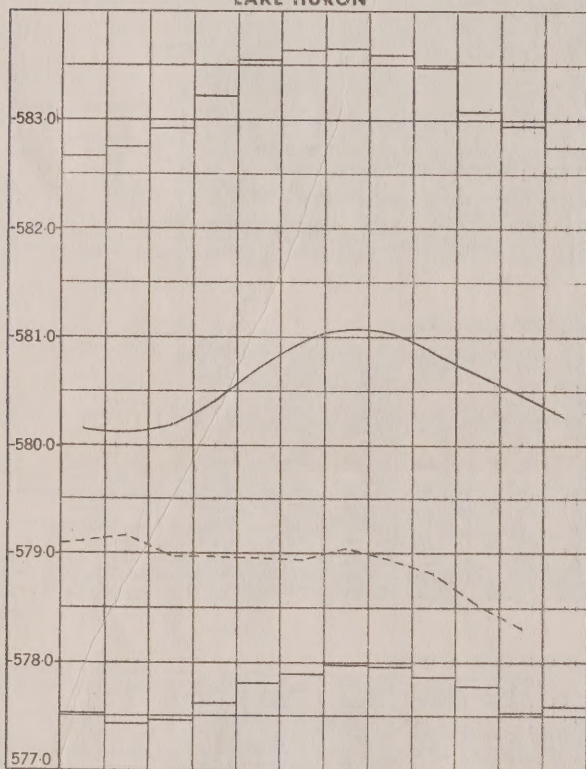
FOR 1958

Nov.

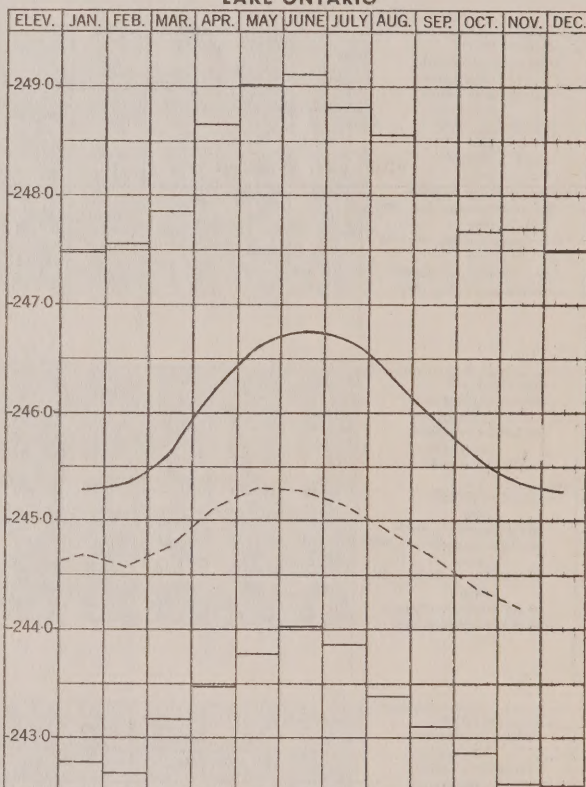
LEGEND

MAXIMUM	— — — — —	PERIOD
MINIMUM	— — — — —	OF
MEAN	— — — — —	RECORD
MEAN	— — — — —	FOR MONTH

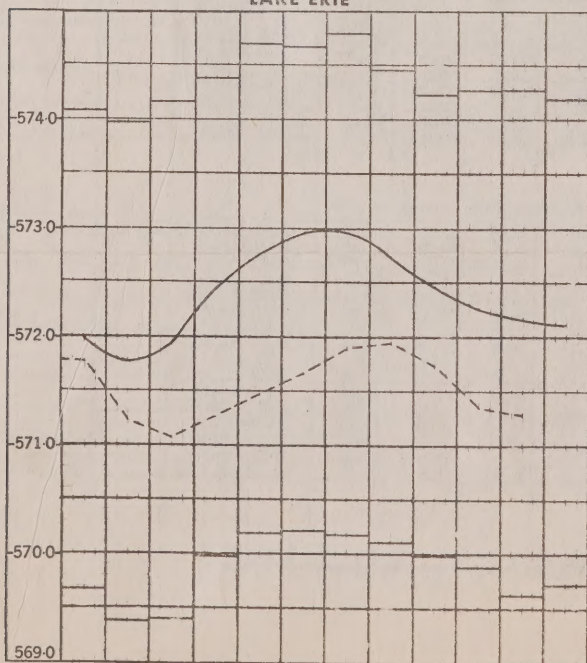
LAKE HURON



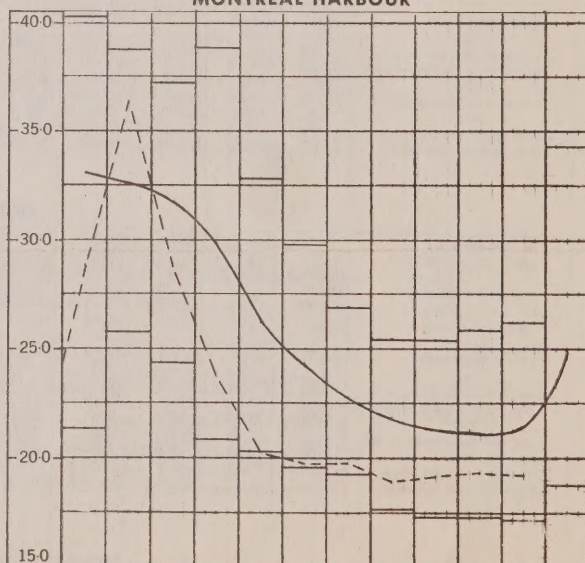
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.

WATER LEVEL BULLETIN
GREAT LAKES AND MONTREAL HARBOUR



INLAND WATER LEVELS

FOR 19 58

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	601.66	601.49	601.37	601.33	601.48	601.70	602.11	602.11	602.36	602.27	602.16	601.94	601.83
HIGH LEVEL FOR MONTH	602.19	601.84	601.60	601.83	602.04	602.71	602.58	602.66	602.79	602.63	602.31	602.49	
Day and Hour	12/0240	25/1856	7/0750	30/1322	26/1547	30/1223	1/1107	10/0103	3/0332	9/1850	13/0234	2/1600	
LOW LEVEL FOR MONTH	601.15	601.23	601.19	600.93	601.02	600.93	601.11	601.67	601.78	601.38	601.67	601.57	
Day and Hour	10/1138	17/2136	9/1918	5/1534	22/0157	5/0411	1/1238	12/0239	3/1605	4/1231	26/1209	23/2134	
HIGHEST DAILY MEAN	601.81	601.60	601.48	601.47	601.64	601.89	602.24	602.24	602.47	602.38	602.44	602.17	
Day	4,5,8,9	4	5	28,30	26	28,30	27	1,5	14	13,19	25	2	
LOWEST DAILY MEAN	601.52	601.38	601.31	601.19	601.39	601.52	601.92	601.98	602.18	602.16	601.94	601.78	
Day	17	17,18,27	21,30	6	22	1	3	21,24	30	31	22	23	
Last year's mean for month	601.44	601.25	601.20	601.28	601.70	602.01	602.39	602.41	602.40	602.21	602.09	601.91	601.86
Max. mean for month since 1860	602.87	602.65	602.58	602.78	603.19	603.50	603.82	603.93	604.08	603.60	603.51	603.13	
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916	1900	1900	
Min. mean for month since 1860	600.32	600.14	600.06	599.99	600.12	600.45	600.80	600.99	601.28	601.23	600.90	600.61	
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925	1925	
Mean for month-last 10 years	602.01	601.82	601.68	601.78	602.17	602.51	602.82	602.91	602.85	602.71	602.49	602.26	602.33
Mean for month-since 1860	602.00	601.81	601.71	601.78	602.12	602.42	602.64	602.72	602.75	602.67	602.49	602.24	602.28

LAKE HURON (at Goderich)

		579.11	579.16	578.98	578.97	578.95	578.93	579.02	578.93	578.80	578.51	578.31	578.00	578.81
MEAN FOR MONTH		579.11	579.16	578.98	578.97	578.95	578.93	579.02	578.93	578.80	578.51	578.31	578.00	578.81
HIGH LEVEL FOR MONTH		580.11	580.12	579.30	579.60	579.46	579.49	579.54	579.56	579.56	579.55	580.04	578.90	
Day and Hour		1/0443	17/2025	7/0750	25/2223	4/0843	26/1833	1/1800	31/2316	9/2245	11/0808	29/1743	6/2158	
LOW LEVEL FOR MONTH		578.39	578.42	578.72	577.55	578.34	578.23	578.47	577.76	578.20	577.95	576.90	577.31	
Day and Hour		24/2144	24/1331	1/0100	6/0535	27/0155	5/0554	5/0118	30/0933	4/0553	22/0754	25/2012	22/1247	
HIGHEST DAILY MEAN		579.45	579.86	579.12	579.28	579.18	579.16	579.27	579.11	579.28	579.23	578.95	578.64	
Day		2	17	21	25	1	27	19	10	10	11	29	6	
LOWEST DAILY MEAN		578.72	578.72	578.87	578.67	578.75	578.78	578.77	578.71	578.53	578.11	577.74	577.66	
Day		25	27	1,18	6	27	25	5	27	24	22	25	31	
Last year's mean for month		579.30	579.25	579.04	579.10	579.35	579.62	579.94	579.79	579.66	579.25	579.25	579.09	579.40
Max. mean for month since 1860		582.67	582.74	582.93	583.22	583.55	583.64	583.66	583.60	583.49	583.94	582.94	582.75	
Year		1886	1886	1886	1886	1886	1886	1876	1876	1876	1876	1876	1876	1886
Min. mean for month since 1860		577.52	577.42	577.45	577.61	577.80	577.89	577.98	577.94	577.84	577.77	577.53	577.59	
Year		1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1933	
Mean for month-last 10 years		579.99	579.96	579.97	580.18	580.46	580.65	580.83	580.79	580.61	580.37	580.17	580.00	580.33
Mean for month-since 1860		580.16	580.12	580.19	580.40	580.71	580.95	581.08	581.03	580.85	580.64	580.44	580.24	580.57

LAKE ERIE (at Port Colborne)

		571.77	571.22	571.08	571.27	571.47	571.66	571.89	571.92	571.71	571.35	571.29	570.97	571.47
MEAN FOR MONTH		571.77	571.22	571.08	571.27	571.47	571.66	571.89	571.92	571.71	571.35	571.29	570.97	571.47
HIGH LEVEL FOR MONTH		575.73	572.58	571.74	574.34	572.50	573.17	573.51	573.30	574.04	573.92	574.78	573.18	
Day and Hour		1/0613	10/1218	3/1306	24/1837	22/1408	25/2204	15/1717	31/1551	9/2349	10/1556	6/0057	6/0717	
LOW LEVEL FOR MONTH		569.90	569.62	570.17	570.21	570.45	570.82	571.06	571.22	570.97	570.24	569.52	569.57	
Day and Hour		25/0135	27/1722	25/2049	6/0311	2/0500	9/1346	4/2245	18/0119	17/1203	5/0920	16/0653	31/1932	
HIGHEST DAILY MEAN		573.12	572.18	571.38	571.93	571.78	572.21	572.27	572.21	572.31	572.25	572.92	572.05	
Day		1	10	3,16	24	20	26	19	17	17	30	10	29	6
LOWEST DAILY MEAN		570.77	570.22	570.62	570.73	570.88	571.34	571.66	571.68	571.35	570.90	570.28	570.20	
Day		24	27	25	4	2	3	4	23	17	22	16	31	
Last year's mean for month		571.82	571.47	571.71	572.37	572.60	572.84	573.04	572.58	572.32	571.85	571.98	571.79	572.20
Max. mean for month since 1860		574.08	573.96	574.14	574.39	574.70	574.68	574.80	574.45	574.22	574.27	574.28	574.19	
Year		1863	1863	1863	1952	1862	1860	1862	1862	1861	1861	1861	1861	
Min. mean for month since 1860		569.67	569.39	569.40	569.98	570.19	570.20	570.17	570.10	569.99	569.88	569.61	569.71	
Year		1935	1935	1934	1935	1934	1934	1934	1934	1934	1934	1934	1934	
Mean for month-last 10 years		572.36	572.29	572.60	573.00	573.19	573.26	573.19	572.96	572.70	572.36	572.33	572.26	572.71
Mean for month-since 1860		571.99	571.76	571.92	572.43	572.75	572.94	572.96	572.72	572.46	572.24	572.15	572.10	572.37

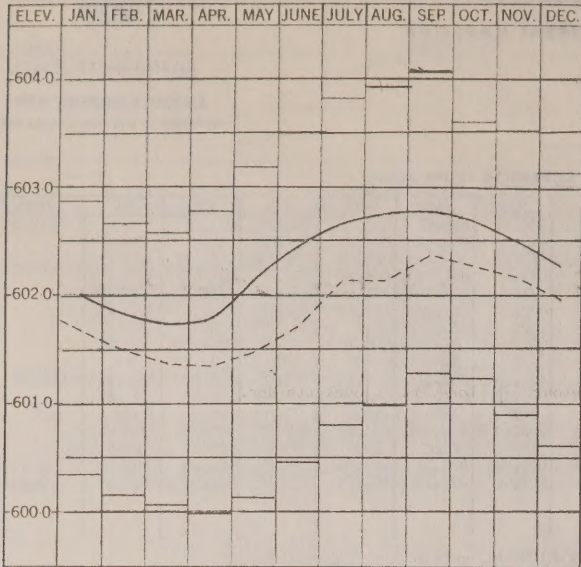
LAKE ONTARIO (at Kingston)

		244.69	244.57	244.76	245.10	245.30	245.28	245.13	244.90	244.67	244.38	244.20	243.99	244.75
MEAN FOR MONTH		244.69	244.57	244.76	245.10	245.30	245.28	245.13	244.90	244.67	244.38	244.20	243.99	244.75
HIGH LEVEL FOR MONTH		245.73	245.11	244.95	245.81	245.63	245.64	245.47	245.28	245.50	245.07	244.85	244.46	
Day and Hour		1/1047	25/0546	31/2000	24/2023	22/1312	8/0741	19/1139	31/2243	30/1929	10/1952	6/0232	6/1915	
LOW LEVEL FOR MONTH		244.13	244.10	244.52	244.65	245.04	244.98	244.87	244.32	244.36	243.87	243.65	243.44	
Day and Hour		25/0130	27/1230	1/2300	6/0400	3/0243	25/1022	5/1749	31/1900	17/1950	31/2400	30/0353	19/2004	
HIGHEST DAILY MEAN		245.09	244.75	244.89	245.33	245.40	245.41	245.28	245.04	244.86	244.69	244.50	244.26	
Day		1	4	31	25	2	15,16	1	1,2	30	14	26	1	
LOWEST DAILY MEAN		244.41	244.30	244.59	244.85	245.20	245.18	245.03	244.70	244.50	244.14	243.94	243.71	
Day		15	27	1	6	2	24	22	30	17	27	16	30	
Last year's mean for month		245.13	245.17	245.34	245.64	245.88	246.10	246.26	245.88	245.51	244.99	244.67	244.57	245.43
Max. mean for month since 1860		247.48	247.55	247.84	248.66	249.01	249.12	248.81	248.56	248.00	247.69	247.70	247.49	
Year		1886	1886	1952	1952	1952	1952	1947	1947	1947	1861	1861	1861	
Min. mean for month since 1860		242.78	242.68	243.18	243.47	243.77	244.02	243.85	243.39	243.10	242.84	242.57	242.55	
Year		1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934	
Mean for month-last 10 years		245.82	245.95	246.34	246.98	247.37	247.37	247.11	246.67	246.30	245.90	245.66	245.60	246.42
Mean for month-since 1860		245.29	245.34	245.62	246.21	246.60	246.74	246.67	246.35	245.94	245.59	245.35	245.26	245.91

MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	28.85	36.41	28.74	23.69	20.29	19.68	19.68	18.95	19.09	19.34	19.17	26.33	23.35
HIGH LEVEL FOR MONTH	36.80	42.30	34.00	25.70	22.30	20.63	20.41	19.72	20.31	20.31	19.93	35.67	
Day and Hour	29/1047	10/1739	4/0400	1/0300	1/0100	6/0234	21/0821	1/1358	18/2044	28/1108	1/0100	23/0800	
LOW LEVEL FOR MONTH	19.98	31.50	24.10	22.20	19.33	19.15	18.95	18.47	18.40	18.15	18.63	19.10	
Day and Hour	4/1906	3/1044	26/0800	30/0300	31/1329	28/1200	15/0800	13/0206	30/2135	7/1015	6/0945	3/1100	
HIGHEST DAILY MEAN	35.26	39.98	33.83	25.62	22.10	20.51	20.28	19.63	20.03	20.79	19.77	35.67	
Day	30	11	4	1	2	6	20	1	18	27,28	1	23	
LOWEST DAILY MEAN	20.05	32.06	24.29	22.31	19.36	19.29	19.20	18.59	18.66	18.31	18.84	19.11	
Day	4	3	26	30	28	28	15	13	6	7	6	2	
Last year's mean for month	33.23	32.78	27.51	21.06	20.79	20.23	21.92	19.59	19.35	19.34	20.12	20.48	23.03
Max. mean for month since 1860	40.22	38.74	37.20	38.92	32.87	29.81	26.95	25.47	25.46	25.00	26.13	34.29	
Year	1886	1890	1890	1887	1876	1876	1861	1861	1869	1861	1861	1875	
Min. mean for month since 1860	21.33	25.69	24.39	20.86	20.29	19.54	19.20	17.59	17.30	17.29	17.15	18.81	
Year	1932	1935	1956	1931	1958	1941	1934	1934	1934	1934	1934	1949	
Mean for month- last 10 years	29.92	34.28	29.28	25.89	23.23	21.79	21.28	20.47	20.20	20.14	20.22	21.43	24.01
Mean for month- since 1860	33.01	32.52	31.95	29.93	26.14	24.40	22.80	21.80	21.21	21.10	21.33	24.95	25.93

LAKE SUPERIOR



CANADA

INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
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MONTHLY MEAN WATER LEVELS

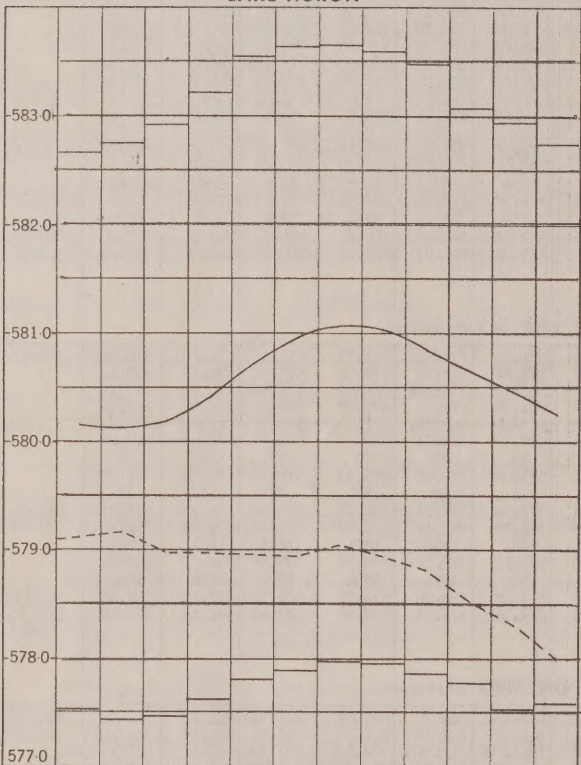
GREAT LAKES AND MONTREAL HARBOUR

FOR 1958

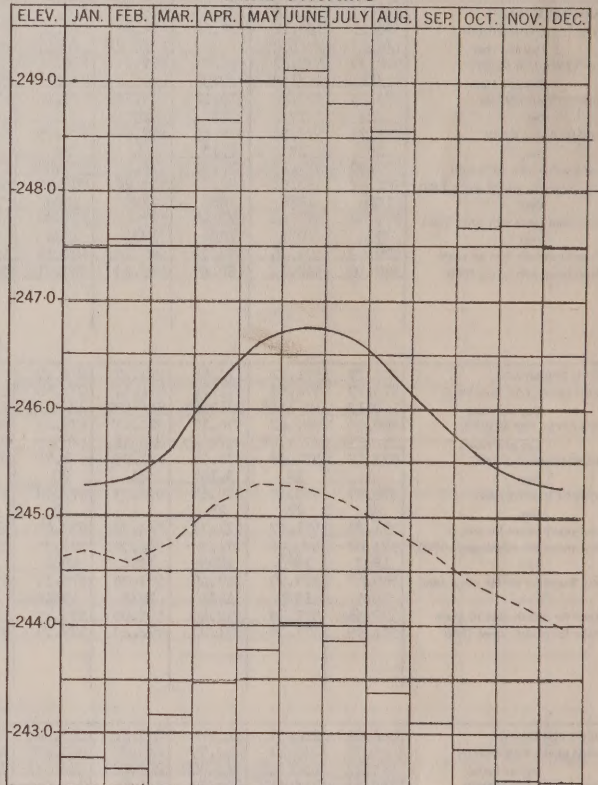
LEGEND

MAXIMUM	— — — — —	PERIOD OF RECORD FOR MONTH
MINIMUM	- - - - -	
MEAN	— — — — —	
MEAN	- - - - -	

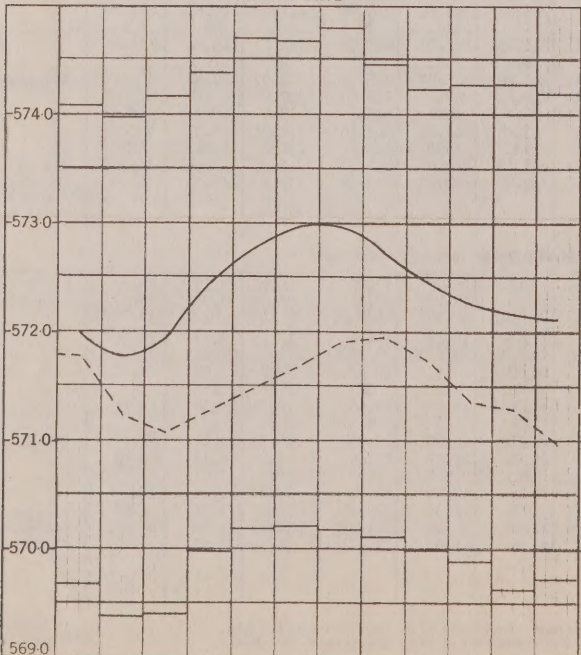
LAKE HURON



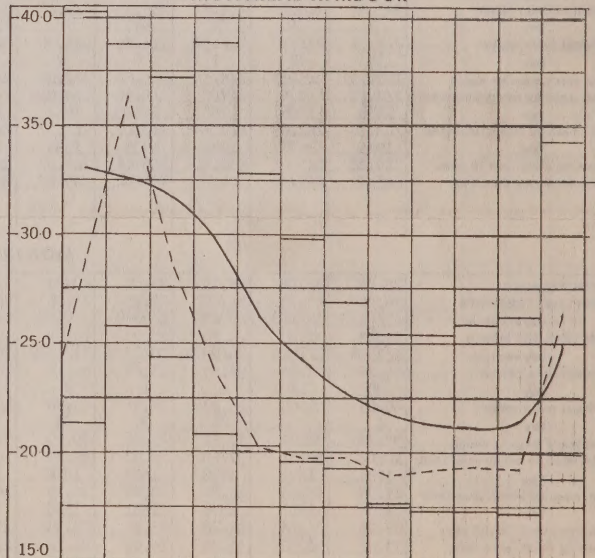
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



Elevations are in feet above Mean Sea Level. The reference for the Great Lakes is the U.S. Lake Survey Datum of 1903 adjustment, and for Montreal Harbour the Department of Public Works datum of 1915 adjustment.